

0.25 Watt RF Termination (Load) DC to 40 GHz Mini SMP Female (Jack), Gold Plated Beryllium Copper



PE6TR1210

Features

- DC to 40 GHz Frequency Range
- 50 Ohm Impedance
- SMPM Female Coaxial Interface
- Max VSWR 1.3:1
- Max Power 0.25 Watts (CW)

Applications

- Instrumentation
- Precision Measurements
- Prototyping Characterization
- Production Systems

Description

Pasternack's PE6TR1210 is an RF termination (also called RF load or dummy load) that operates from DC to 40 GHz and handles up to 0.25 Watt (CW). Our SMPM termination / load has a female gender. PE6TR1210 TNC load termination offers 1.3:1 max VSWR. RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. Pasternack offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR, Input		1.3:1		
Input Power (CW)			0.25	Watts
From -55°C to +70°C linearly derated to 0.1W at 100°C				
Dielectric Withstanding Voltage (AC)			325	Vrms

Mechanical Specifications

Size	
Length	0.394 in [10.01 mm]
Width	0.118 in [3 mm]
Height	0.118 in [3 mm]
Weight	0.3 lbs [136.08 g]
Package Type	Connectorized

Configuration	
Connector	Full Detent Mini SMP Female

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over Nickel
Insulation	Teflon	

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Material Specifications

Description	Material	Plating
Connector 1 Body	Beryllium Copper	Gold over Nickel

Environmental Specifications

Temperature	-55 to +100 deg C
Operating Range	
Shock	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

0.25 Watt RF Termination (Load) DC to 40 GHz Mini SMP Female (Jack), Gold Plated Beryllium Copper from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.25 Watt RF Termination \(Load\) DC to 40 GHz Mini SMP Female \(Jack\), Gold Plated Beryllium Copper PE6TR1210](#)

URL: <https://www.pasternack.com/0.25-watts-mini-smp-female-rf-load-40-ghz-pe6tr1210-p.aspx>

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PE6TR1210 CAD Drawing

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